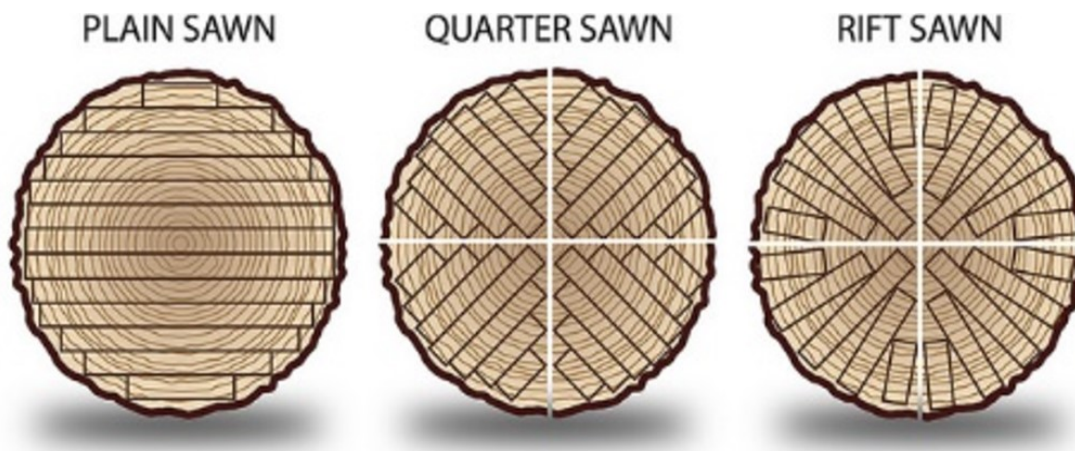


PRESIDENTS LETTER

For the York area this has been an unseasonably warm winter. And in other parts of the country there has been record colds, and record rains. It is a good reminder that wood is a natural product and moves with the weather. While this can be problematic, it actually allows wooden items to last nearly indefinitely; unless ruined by rot or bugs. So understanding why it happens can help in avoiding issues, or even making the movement an advantage.

While wood moves in all directions, it does not do so uniformly. The movement length-wise (vertical direction of the tree when it was standing) is so small that we can ignore it entirely. And while different species move different amounts one can expect $\sim 1/32$ " of movement per 6" material along the rings (i.e., each ring expands or contracts slightly).



It is this predictable movement which helps explain why certain cuts of wood are more desirable than others. Rift sawn wood is the most desirable as it is cut perpendicular to the pith (center). It has the most "waste", but also ends up with

the rings in line with the height. Rift sawn boards therefore only expand along their width.

Quarter sawn is the next most desirable where the rings are on a diagonal with the height, so will move proportionally. Since the height of most boards is between $1/2$ " and 4" this means the movement on the height is going to be between $1/128$ " and $1/64$ ", which is hardly anything.

Finally, is flat sawn wood which is the least desirable (but also cheapest) where the rings can be in any orientation. In this case, the movement tries to straighten out the rings. This can lead to very extreme cupping the nearer the board is to the pith (center ring).

- John K.

FEB. 2023

STWG

SUSQUEHANNA TRAIL WOODWORKERS GUILD

NEXT MEETING

DUES ARE DUE

If you haven't already done so, please pay your dues. We would like to get the membership list printed, and handed out at the March meeting.



Our next meeting will be held on Thursday, Feb. 23rd at 7 pm. The usual location at the church.

If you're thinking of coming for the first time, the complete address, and an interactive map, can be found on our website, stwg.org.

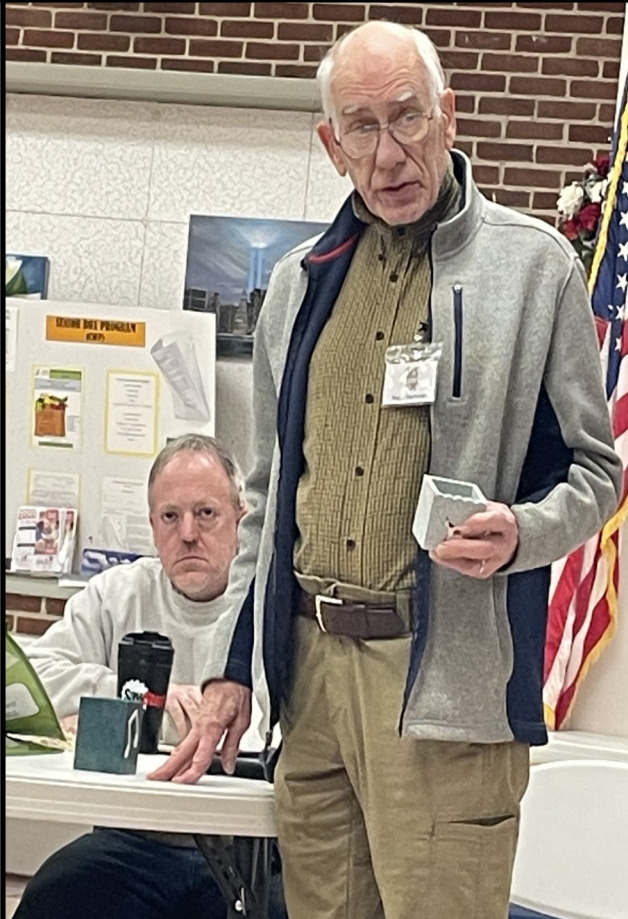
Please bring something in for the show-and-tell segment of the meeting. It certainly doesn't have to be finished. A work-in-progress is always welcome!

Any questions on a project you're thinking about? We have some very skilled and knowledgeable people in our group.

A Moxon vise is scheduled to make an appearance. Learn more about this useful tool.



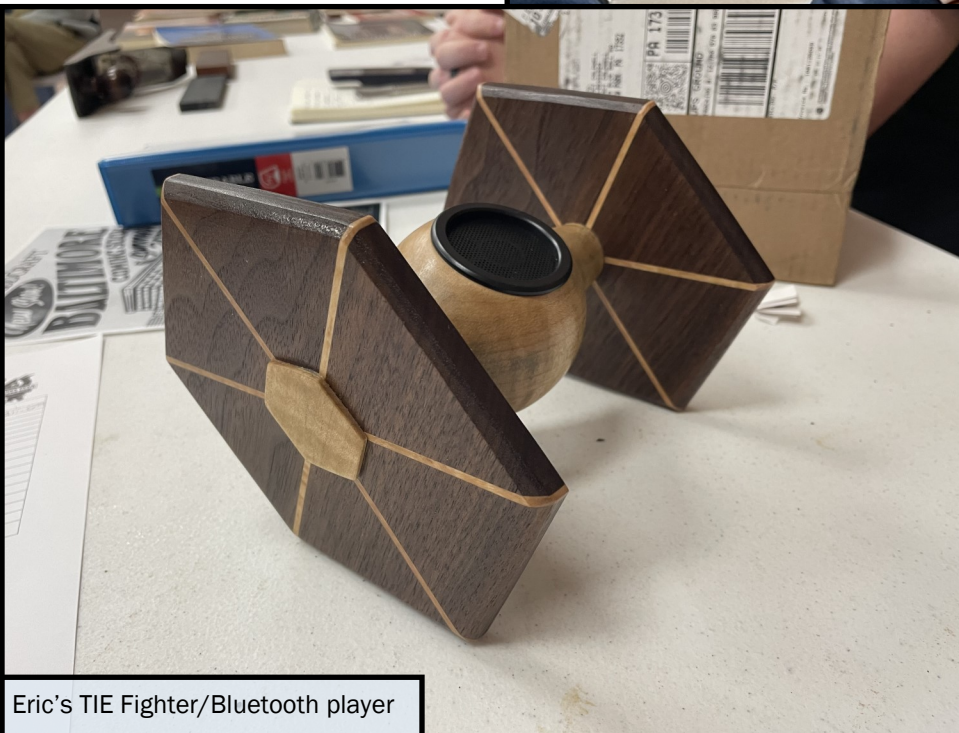
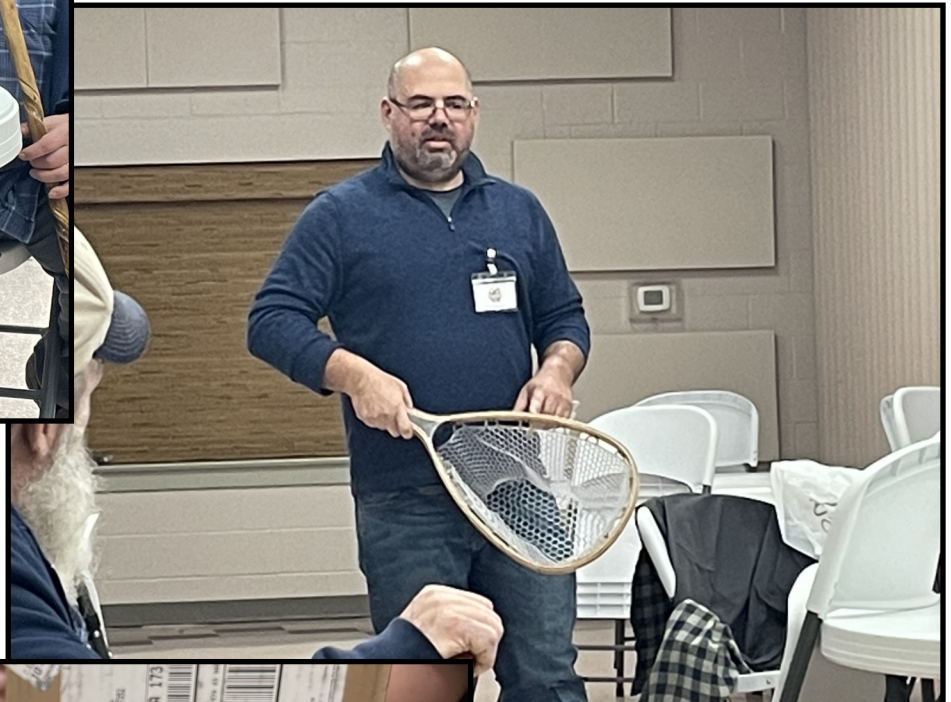
PICTURES FROM THE JAN. MEETING



WWW.STWG.ORG



Scott is making his own trees.



Eric's TIE Fighter/Bluetooth player



Tracy's Olive Wood from Israel



Ralphs business card holders.



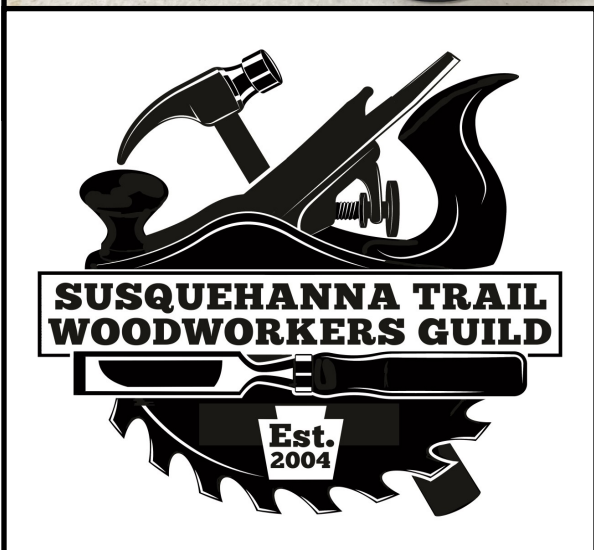
Don't smoke this "cigar."

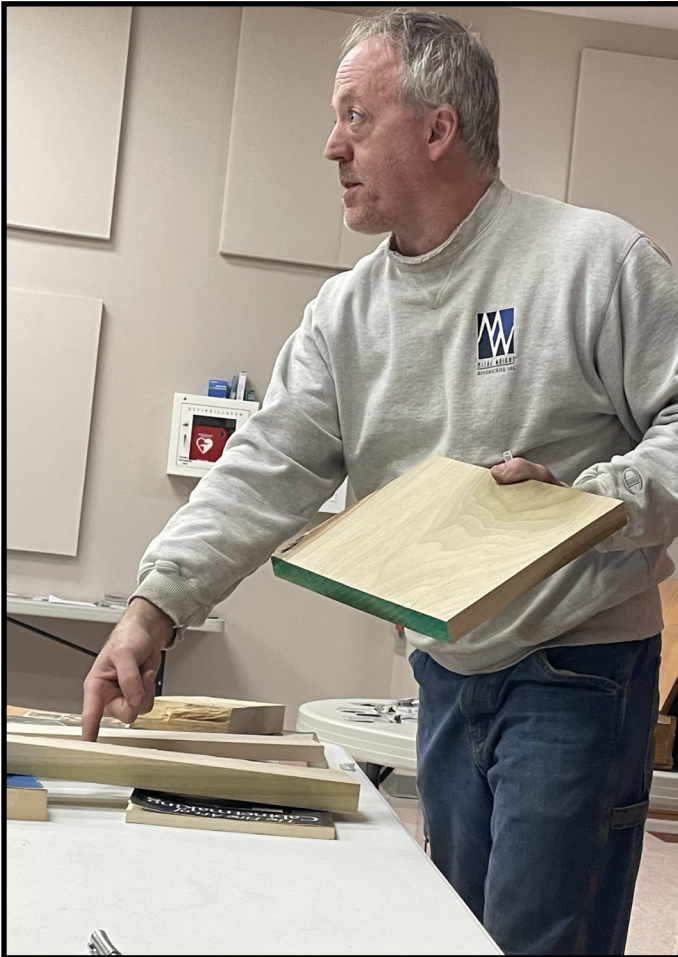


Lets go fishing!



John and his "new" old tool box.







John's old tool chest, with the original tool list. (But not the original tools.)

